



**VIZAG IAS  
ACADEMY**

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**MAINS MOCK TEST 2022**

**General Studies**

**Test - 7**

**TOPICS COVERED**

- Effects of Liberalization on the Economy, Changes in Industrial Policy and their Effects on Industrial Growth.
- Infrastructure: Energy, Ports, Roads, Airports, Railways etc.
- Investment Models.
- Science and Technology- Developments and their Applications and Effects in Everyday Life.
- Achievements of Indians in Science & Technology; Indigenization of Technology and Developing New Technology.
- Awareness in the fields of IT, Space, Computers, Robotics, Nano-technology, Bio-technology and issues relating to Intellectual Property Rights.

1. What is Quantum Computing? Discuss the possible applications of quantum computing in different fields. 10 Marks
2. The benefits offered by virtual currencies may be debatable but the underlying technology behind them is certainly having bright prospects. Discuss. 10 Marks
3. PPP model is essential in creating social infrastructure in India, discuss with examples. 10 Marks
4. Hydrogen is being dubbed as the alternative fuel. However, there are many problems associated with the leveraging of hydrogen technology. Discuss. 10 Marks
5. What is genome editing technology and how is it different from GM technology? 10 Marks
6. The two pillars for mitigation action to achieve net-zero carbon ambition are transition to clean and renewable energy and storage of this energy. What are the steps taken by the government of india to meet the above pillars? 10 Marks
7. Discuss the importance of Production Linked Incentive Scheme to boosting industry in India. 10 Marks
8. Service led economy can contribute only GDP but not the employment. Do you agree, discuss in the context of recent employment trends in India? 10 Marks
9. Do you think the government approach towards corporatization kills the ecosystem of MSMEs in India? Discuss the proper reasons in support of your opinion. 10 Marks
10. Do you think that 'Back to Village' policy planning by the central government will reduce pressure on the urban amenities? 10 Marks
11. 'Electric vehicles are the future of transportation.' Discuss in the light of the statement the challenges associated and ways to increase the electric vehicles penetration in the Indian market. Also discuss the latest advances in battery technology. 15 Marks
12. Discuss the benefits of 5G technology, its potential and challenges for implementation on a large scale in India. 15 Marks
13. Space is the next big frontier of technological revolution. Do you agree? What are those current trends that indicate towards a highly sophisticated and advanced future of space technology? Explain. 15 Marks
14. Why the world is short of computer chips, and what can the government do to ease the situation 15 Marks
15. What are the draft amendments to IT Rules, 2021? What prompted them? What are the concerns with the Draft? 15 Marks
16. What are the differences between Webb and Hubble telescopes? How do these telescopes contribute to our understanding of the Universe 15 Marks

17. The FDIs have been rising steadily but are not attracted by the manufacturing sector. Critically analyse the FDI policy of India on why it failed to attract FDI into manufacturing sector. 15 Marks
18. Critically discuss the strategies formulated by the Government of India to increase private sector participation in public enterprises. 15 Marks
19. The development of railway network is an essential requirement for rapid growth of our country. In this context, discuss the importance of National Railway Plan and other government steps to strengthen railways. 15 Marks
20. What is a fusion nuclear reactor? What are the latest advances in harnessing fusion energy? What are India's projects in the field of fusion energy? 15 Marks





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## PRELIMS CUM MAINS 2024

**ADMISSIONS STARTED.!**

- 👍 Orientation starts in 3<sup>rd</sup> week of May
- 👍 Classes starts in 1<sup>st</sup> week of June

**65  
Seats Only !**



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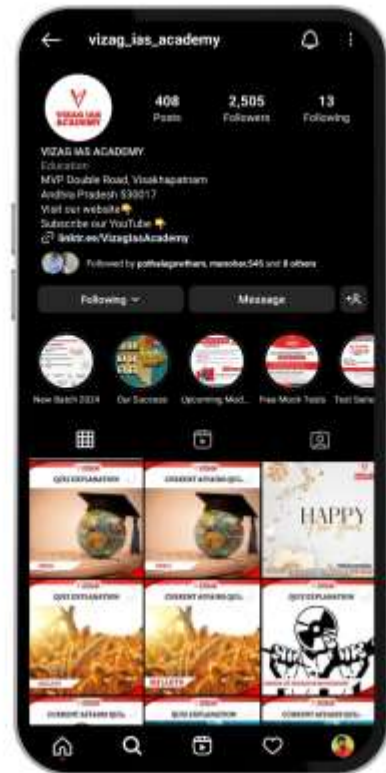
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First Floor, Sai Narsimha  
Towers, Sector 10, MVP  
Colony, Visakhapatnam





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1<sup>st</sup> Floor, Sai Narsimha Towers, Sector 10,  
MVP Colony, Visakhapatnam